



End of Year All Hands Celebration

A Year Well Done!

Center Director Ray Lugo and his senior leadership team gathered together employees to thank them for their hard work over 2011 and to look ahead to 2012 during the End of Year All Hands and Holiday Gathering on Dec. 14. In his address, Lugo highlighted a few of the many technological accomplishments at Plum Brook Station and Lewis Field over the year. He introduced Glenn's resident astronaut Greg Johnson, who will serve as associate director of the External Programs Division for a 1-year term. Johnson, along with 2011 Combined Federal Campaign (CFC) Chairman Fred Holland, pulled the winning ticket for a raffle that featured a custom-made putter, provided by the Office of the Director and the Engineering Directorate. Susan Avsec, BAH/Office of Chief Financial Officer, was the lucky winner! A late entry into the campaign, this fine-crafted putter, engraved with the name "CFC Goal Seeker" also featured a depiction of the first footprint on the moon. Johnson later met employees as he signed autographs. Light refreshments and time with coworkers rounded out the event.



Treats and conversation.



Employees cheered for 2011 accomplishments.



Director Lugo's year-end address.



Holland and Johnson look on as raffle winner Avsec tries out the new putter.

Two Senior Level Managers Retire

Vernon "Bill" Wessel, associate director, and Olga Gonzalez-Sanabria, director of engineering, retired on Dec. 31, 2011. Both individuals have made significant contributions to NASA's Glenn Research Center.



Wessel



Gonzalez-Sanabria

Wessel began his NASA career in 1981 at NASA Langley following a professional career with Northrop Corporation, where he managed technical tasks at NASA Marshall and subsequently LTV Corporation at Langley. Well respected for his knowledge of safety issues, he joined Glenn in 1987 as director of Safety and Mission Assurance. He was appointed associate director in 2006 and served two directors.

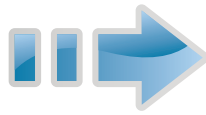
During his tenure at Glenn, Wessel received two NASA Exceptional Service Medals, the Senior Executive Service Meritorious Presidential Rank Award and

Senior Executive Service Distinguished Presidential Rank Award. His integrity and genuine compassion for others made him an inspirational and approachable leader, well respected by peers and subordinates alike.

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Center Director Lugo

New Year's Resolutions

I have never been one to make a New Year's resolution. In general, I find it's a promise you make to yourself that in most cases, does not get followed through. For me, a resolution is a prescription for letting myself down. I believe the whole notion of a New Year's resolution makes sense, and I would love to be able to follow through; however, I generally make the mistake of setting my goals too high. With everything going on in my life and job, I don't seem to make my personal resolutions enough of a priority.

The year 2011 has been a mix of the good and the not so good things that life brings. I can honestly say I won't be sorry to put last year behind me; although, I can also say there are many things I will remember fondly about 2011. I guess I am suggesting that it is better to spend a little time reflecting on some highlights from 2011, and less time making resolutions in 2012.

I am proud of the progress we are making at the center, and really believe the best days are ahead of us. I recently learned that we are closing on a fairly substantial reimbursable agreement that moves the needle a little closer toward our goal of increasing our reimbursable work at the center. I can also say that we are making great strides in connecting with our community partners. The NASA Glenn Technology Showcases held last year and the public support of those activities has been great.

Obviously we made great progress on our projects in 2011. CoNNeCT is expected to be shipped early this year and launched by the summer. Work on the Centralized Office Building is progressing and the Main Gate is open for business. We have awarded a number of patents and received

another three R&D 100 Awards. Last year, we also did a great job of managing our money, exceeded the agency's financial metrics, and awarded the GESS 3 contract. I could go on and on; however, the bottom line is that a lot of good things are happening at Glenn.

I expect that 2012 will not be much different from 2011, and in some ways, it may be a little more difficult. However, if we continue to work on our strategy of building relationships, doing a good job and delivering on commitments, I believe we can really move forward on making NASA Glenn even better than it was in the past.

I look forward to the challenges of the year ahead and I hope to continue to earn your confidence and support. Although we have a ways to go to achieve our goals, we have already accomplished a lot.

Emergency and Inclement Weather Lines

Lewis Field: 216-433-9328
Plum Brook Station:
419-621-3333

Wessel and Gonzalez-Sanabria Made Significant Contributions

Continued from page 1

After taking January to relax, Wessel will be working with ARES Corporation in extending their presence in the defense and aerospace communities, with emphasis on the Midwest.

Gonzalez-Sanabria joined the NASA workforce in 1979 as a chemical engineer supporting the Power Technology Division. Her work led to subsequent promotions, including project manager, executive officer to the center director and chief of Glenn's Plans and Programs Office.

While working her way through the ranks to become a senior manager, Gonzalez-Sanabria became a mentor,

role model and advocate for women, and especially Latinos. She was appointed director of Engineering in 2006. Prior to this appointment, she served as director of Engineering and Technical Services, and director of the Systems Management Office. During her tenure at Glenn, she earned the Senior Executive Service Meritorious Presidential Rank Award and NASA's Outstanding Leadership and Exceptional Service Medals. Other honors included the YMCA Women of Achievement Award, Hispanic Engineer Executive Service Award, Women of Color in Technology Career Achievement Award and a R&D 100 Award. She was inducted into the

Ohio Women's Hall of Fame in 2003. She is a patentee and has authored/co-authored over 30 technical reports and presentations for journals and conferences.

Gonzalez-Sanabria's combination of talent, hard work and persistence enabled her to break through the proverbial "glass ceiling" to become a well respected woman of NASA. After retirement, Gonzalez-Sanabria said she plans to have fun, enjoy life and spend time with her family, especially her grandchildren.

—By Doreen B. Zudell



News and Events

Event Showcases Glenn Technology ›

More than 200 guests from nearly 140 organizations attended Glenn's Technology Showcase held at the Cleveland Airport Marriott Hotel on Dec. 2. The event featured 35 technology displays with Glenn researchers who engaged attendees in discussions on the commercial potential of research, and business sessions on avenues to partnering with NASA. Mark Kvamme (inset photo), Ohio Department of Development director and president of JobsOhio, addressed the potential impact of Glenn technologies in stimulating economic opportunity and jobs in the region. Baiju Shah, president and CEO of BioEnterprise, mirrored Kvamme's comments in an afternoon address. Greater Cleveland Partnership, NorTech, Ohio Aerospace Institute and Team NEO (Northeast Ohio) partnered with Glenn for the event. Pictured: Diana Santiago-DeJesus, Structures and Materials Division, discusses state-of-the-art solar cell structures with an attendee.



Photos by Bridget Caswell

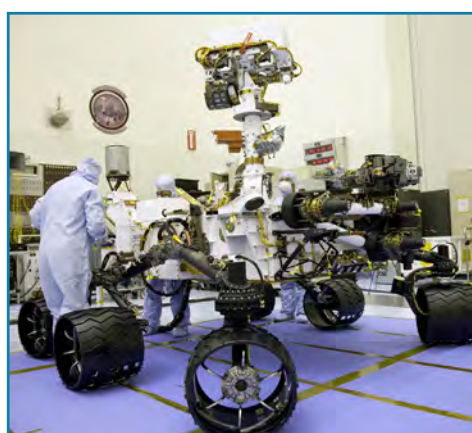


Photo courtesy of NASA

◀ Curiosity Headed to Mars

NASA's next-generation rover, Curiosity, launched Nov. 26 to begin a 354-million-mile journey to the planet Mars where it is scheduled to arrive by Aug. 6. Glenn's 10-by-10-Foot Supersonic Wind Tunnel tested the model parachutes—part of the high-speed landing scenario that includes rockets and a sky crane, designed to ensure safe arrival of the 7-foot-tall, 2,000-pound rover. Christine Pastor (SLI) and Jim Roeder, Facilities and Test Directorate, evaluated the parachutes' abilities to open at high speeds in a thin atmosphere.

Lean Six Sigma Draws Many ›

NASA Glenn hosted the Northeast Ohio Lean Six Sigma (LSS) Forum, Dec. 5, in the Briefing Center. Process improvement leaders from over 20 local organizations shared best practices and learned how NASA has leveraged LSS to drive results at Glenn and throughout the agency. LSS certified master black belts Michael Moxley (pictured) and Robert Kluttz, BAH/Center Operations Directorate, led the forum. Also included were presentations on NASA process improvement successes, an overview of Glenn history and STS-134 shuttle mission highlights by astronaut Greg Johnson, External Programs Division.



C-2011-4857

Photo by Michelle Murphy

Diversity Day Celebration! ›

On Dec. 1, Glenn's Diversity Day offered a variety of presentations and activities to encourage employee participation in an exciting celebration of inclusion. An inspirational address by Teleangé Thomas (inset photo), Sisters of Charity Foundation program officer, encouraged service in our communities, while the colorful goods of nine local fair trade and multicultural vendors spurred a shopping spree. An additional highlight was the "Dining Diversity to Make a Difference," an international food fair, to celebrate the 50th anniversary of the Combined Federal Campaign and generate proceeds for charities. Pictured: Lynda Glover, Xynique Sims and Tom Hinshaw browse the Beads 4 Peace table, which offered jewelry and other items crafted by women from Meru, Kenya.



C-2011-4777



C-2011-4771

Photos by Bridget Caswell

Year In Review 2011



C-2011-2101

Photo by Bridget Caswell

Final Shuttle Launch Viewing

On July 8, nearly 1,000 employees gathered in the Lewis Field Hangar and Plum Brook Station Engineering Building to witness a once-in-a-lifetime experience—the STS-135/Atlantis mission liftoff and final flight of NASA's 30-year Space Shuttle Program. The event was the climax to a year full of anticipation and pride in hosting the crews that delivered over 14 Glenn-related experiments and hardware across the final three shuttle missions.



Photo by Doreen B. Zudell

Community Workgroup Ends Service

On Sept. 21, NASA representatives brought together many of the 36 community members, who served on the Community Workgroup for the Decommissioning of the Plum Brook Reactor Facility for the past 12 years, to thank them for their role in relaying information to their constituents and neighbors.



C-2011-4568

Photo by Marvin Smith

Center Directors Visit

NASA Glenn hosted several center directors from across the agency, Nov. 7, as part of the agency's traveling Center Directors Forum. The event included tours of Lewis Field and Plum Brook Station and an All Hands meeting with employees.

Three more "Oscars of Invention"

NASA Glenn took home three "Oscars of Invention" at the Oct. 13 R&D 100 Awards ceremony, bringing the center's total to 112.



C-2011-1420

Photo by Michelle Murphy

Main Gate and Guard House

On June 6, Glenn hosted a ribbon-cutting ceremony for the completion of a new Main Gate and Guardhouse at Lewis Field—a critical milestone in the center's facilities Master Plan. Additionally, a new Logistics and Maintenance Facility, constructed to hold excess items processed into and out of the lab, opened in October.



Photo provided by Marvel Entertainment, LLC

Plum Brook Goes Hollywood

The Space Power Facility and nearby open field at Plum Brook Station transformed into a set for Marvel Studios' "The Avengers" movie, filmed here from Aug. 8 through 12.



C-2011-1518

Photo by Michelle Murphy

NASA in Your Neighborhood

In January, NASA Glenn kicked off a new community outreach initiative with the Cleveland Clinic, Cleveland Public Library and Cuyahoga County Public Library. Together, the organizations worked to engage and motivate students to pursue a career in science, technology, engineering or math.

Focus on Technology

The Automotive Industry Workshop, held in the Hangar on Oct. 27, generated over 90 new business leads for follow-on discussions/potential collaboration with automakers and suppliers interested in NASA advanced technologies. On Dec. 2, Glenn's Technology Showcase expanded its audience to feature 35 technology displays with Glenn researchers who engaged attendees in discussions on the commercial potential of their research.



C-2011-4245

Photo by Bridget Caswell

Women@NASA Project

Three Glenn employees were chosen to participate in the agency Women@NASA project, a new website that celebrates NASA women's contributions to science and exploration. It debuted March 16.



Dovie Lacy



Jill Noble



*QuynbGiao
Nguyen*

Photos by Bridget Caswell

Astronaut in Residence

In October, Greg Johnson, right, pilot of the STS-134/Endeavour's final flight, succeeded astronaut Mike Foreman, as Glenn's new associate director of the External Programs Division, under Center Operations Director Robyn Gordon. Responsible for communicating NASA's mission and vision to the public, Johnson assumes the duties of the office for 1 year, while retaining his position in the astronaut corps.



Photo by Mack Thomas

Director Lugo's All Hands

Center Director Ray Lugo held several All Hands meetings in 2011 to provide updates and answer employees' questions. During the Nov. 2 All Hands, goal team leaders highlighted some of the progress made in executing the center's Strategic Action Plan.



C-2011-2133

Photo by Bridget Caswell



Awards, Honors and Promotions



Dr. Povinelli

Dr. Louis Povinelli, a senior technologist and chief scientist for the Propulsion Systems Division, has been appointed to the reconstructed NASA Science Council. Povinelli joins council members from across the agency, who are charged with serving as a forum for reviewing agency policies, best practices and issues related to NASA-wide science activities that provide a wide range of perspectives within the agency.

Mark Klem has been selected chief of the Propulsion and Propellant Branch. Klem most recently served as the Solar Electric Propulsion technology demonstration deputy project manager.

Ann Over has been selected as chief of the Space Science Project Office in the Space Flight Systems Directorate. She previously served as project manager of the Communications, Navigation, and Networking reconfigurable Testbed (CoNNeCT) scheduled to launch to the International Space Station in 2012.

Gene Stygles has been named chief of the Facilities Division. Stygles, who previously served as chief of the Project Management Branch, is a registered civil engineer in Ohio.



Klem



Over



Stygles

IT Services Transferred from ODIN to ACES

On Jan. 1, 2012, information technology services at NASA's Glenn Research Center were officially transferred from the ODIN contract to the follow-on Agency Consolidated End-User Services (ACES) contract. On that day, the Enterprise Service Desk (ESD) replaced the ODIN Help Desk. To access ESD, log onto <https://esd.nasa.gov>.

The transition of Glenn communications services from the ODIN contract to the NASA Integrated Communications Services (NICS) contract was completed as well. Center communication services, such as phones, radios, LINK television and wired and wireless networks, were migrated to the NICS contract on that date.

Deployment of ACES seats continues. As of Dec. 7, 108 ACES machines have been successfully deployed.

Contact the I3P mailing list, grc-i3p-questions@lists.nasa.gov, with any questions.

Check out NASA Glenn's Exchange Online Gift Shop at
www.nasagiftshop.com



Retirements

The following employees retired on Dec., 31, 2011:

Shirley A. Anderson, IT Security Office, retired with 37 years of NASA service.

Damian X. Blazek, Facilities Division, retired with 36 ½ years of government service, including 32 ½ with NASA.

Frank DeAngelo, Logistics and Technical Division, retired with 39 years of federal service, including 35 with NASA.

Patricia C. Fordosi, (not pictured) Program Management Office, Facilities Division, retired with 39 years of federal service, including 32 with NASA.

Linda McMillen, IT Operations Office, Office of the CIO, retired with 21 years of NASA service.

William L. Naiman, IT Operations Office, Office of the CIO, retired with 30 years of NASA service.

Johnny R. Napier, Facilities Division, retired with 37½ years of federal service, including 33½ with NASA.

Catherine A. Schuld, Facilities Division, retired with 36 ½ years of NASA service.



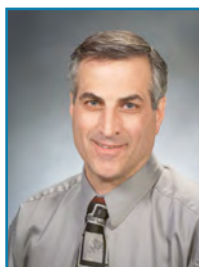
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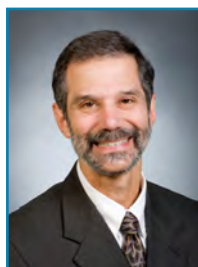
Anderson



Blazek



DeAngelo



Naiman



Napier



McMillen



In Memory

William "Bill" E. Frey, 87, who retired in 1990 with 25 years of NASA service, died Oct. 10. Frey was a highly skilled machinist and mechanical designer, who was very adept at fabricating small, precise instruments and devices. He had a big impact on the III-V semiconductor growth work and solar cell fabrication used in space power research. Frey earned numerous Special Act and service awards before retiring from the Photovoltaic Branch of the Space Power Technology Division.



Dr. Purvis

Dr. Carolyn K. Purvis, who retired in 1994 with 25 years of NASA service, died Nov. 1. Purvis was an internationally recognized physicist; former chief; and distinguished research associate

of the Photovoltaic and Space Environment Branch. She transferred from NASA Goddard to Lewis in 1974 to work in spacecraft controls and the SERT-II, the Lewis-developed electric propulsion experimental spacecraft. Her pioneering scientific analyses of electrical charging was critical to identifying mechanisms and processes for evaluating payload compatibility in a space station, and other aspects of plasma interaction in space. Significant among her many awards was the NASA Exceptional Scientific Achievement

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Article Deadlines

News items and brief announcements for publication in the February issue is noon, Jan. 20. Larger articles require at least one month notice.

READ US ON THE INTERNET:

<http://aerospacefrontiers.grc.nasa.gov>

Hermes
Award
2010-
2011



Medal (1987) for analyses of electrical charging on the Galileo Probe; and the AIAA Losey Atmospheric Sciences Award (1999) for a lifetime of work culminating in the elevation of space environment effects to the status of a respected discipline in spacecraft design.

Newell D. Sanders, 96, who retired in 1972 with 36 years of NACA/NASA service, died Oct. 10. Sanders was an agency pioneer who helped start Cleveland's Aircraft Engine Research facility and its transition to space research leading to the creation of NASA. He and his twin



Sanders

brother, John, transferred from NASA Langley in the mid-1940s to perform engine analyses aiding military research and development. His first assignment was head of the Physics Division, which developed better fuels for the warplanes. Post World War II (1945-52), Sanders led several research areas such as Icing and the Vertical Short Take-Off and Landing programs and facility modifications that moved the aircraft industry from the era of reciprocating engines to jet propulsion. He served at Headquarters during the agency's infancy (1957-1962), developing communications and weather satellites and planning space flight missions, before returning to Lewis to lead a successful Quiet Engine Program. His efforts earned his appointment to the President's Special Committee to Study Aircraft Noise, a NASA Exceptional Service Medal and recognition as an AIAA Fellow. His brother John, 93, preceded him in death (August 2008).

Louis J. Sliman, 88, who retired in 1987 with 40 years of federal service, died Nov.



Sliman

18. A veteran of the U.S. Army, World War II, Sliman worked in communications at the U.S. Navy Finance Center before joining NASA in 1962. He brought his communication skills to the lab and

worked in photograph technology, graphics and design sections, including serving as a forms management officer in the Administrative and Computer Services Directorate. Sliman retired from the Graphics and Exhibits Branch of the Technical Information Services Division. His colleagues remember him for his enthusiasm, dedication (no sick leave for 9 years), as well as his passion for sports.



In Appreciation

My family and I would like to thank my friends and colleagues for the kind expressions of sympathy that we received on the passing of my brother, George L. Wald. Your thoughtfulness was truly appreciated and made it a little easier to bear. —Larry Wald

My children and I would like to express our sincere gratitude for the many expressions of sympathy on the passing of their father, Thomas Taylor. Your thoughts, prayers and support during this difficult time have been very comforting. Thank you to all my friends and coworkers at NASA— you have all been truly wonderful.

—Anna Maria Pal



Calendar

IFPTE LOCAL 28, LESA MEETING: LESA will hold its next membership meeting on Wednesday, Feb. 8 at noon in the Employee Center's Small Dining Room.

DAY OF REMEMBRANCE: NASA Glenn's Day of Remembrance Observance, to reflect on the sacrifice of those who lost their lives supporting NASA's mission of exploration, will be Friday, Jan. 27, from 10 to 11 a.m. in the Administration Building Auditorium.

RETIRED WOMEN'S LUNCHEON: The NASA Retired Women's Luncheon will be held at noon Thursday, Feb. 16, at Moosehead Hoof & Ladder, 7989 Columbia Road, Olmsted Falls. Place your reservation with Gerry Ziemba, 330-273-4850 or gto64gerry@yahoo.com. Luncheons are held the third Thursday of February, May, August and November in 2012. All are welcome.

National Aeronautics and Space Administration

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www.nasa.gov

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NASA Glenn "Steps Up" in Charitable Giving

Employees Surpass Goal, Set Records

NASA Glenn answered the call to "Step Up" in keeping with the theme of the 2011 North Coast Combined Federal Campaign (CFC). Federal employees, with the help of support service contractors through various CFC activities, have raised more than \$482,000 for CFC charities, up more than \$28,000 from last year for Lewis Field.

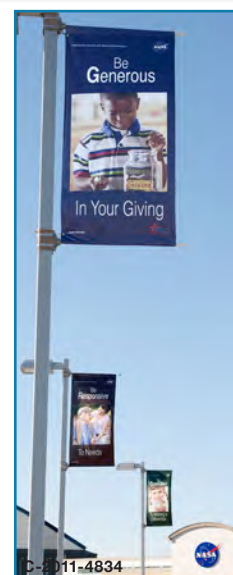
"This increase in giving is particularly noteworthy given that employee participation at the Lewis Field campus, currently at 50.2 percent, is only slightly higher than in 2010," said 2011 CFC Chairman Fred Holland. "The funds raised represent a new high for the center."

This year's basket raffle generated a whopping \$12,824—up more than \$3K from last year—another record!

New elements were also introduced. Light-pole banners, created to inspire and increase awareness, were installed near the main gate. Team names were given to all Glenn organizations and used to encourage employee participation in a fun way. A special program was held featuring a Langley engineer whose life was profoundly touched by a CFC charity. Also new was an International Food Fair held in conjunction with Diversity Day, where employees were invited to enjoy the center's diverse culture represented by a variety of ethnic foods donated by fellow employees. Purchases made, along with a unique "Dinner for 2" raffle, raised about \$434. Held on the last day of the campaign, this culminating event was a great ending to a successful fundraising season.



CFC Block Party featured the popular Car Show and Ice Cream Social.



CFC banners at entrance.



Dr. Terry Morris, NASA Langley shared his own CFC story.



Agency Fair representatives.



Annual basket raffle generated over \$12,000.



Steppers step up donations.